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Amendments to the Claims

Please cancel claims 57, and 58, without prejudice or disclaimer.

Please amend claims 4, 37, 52, 55, and 56 as indicated in the Listing of Claims.

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Previously presented) A method of reducing the risk of transmission of a sexually transmitted pathogen, the method comprising contacting the pathogen or cells susceptible to infection by the pathogen with an effective amount of a composition consisting essentially of a β -cyclodextrin, wherein said β -cyclodextrin reduces the risk of transmission of the pathogen.

- 2. (Original) The method of claim 1, wherein the pathogen is an enveloped virus.
- 3. (Original) The method of claim 2, wherein the enveloped virus is an immunodeficiency virus, a T lymphotrophic virus, a herpesvirus, a measles virus, or an influenza virus.
- 4. (Currently amended) The method of claim 2, wherein the enveloped <u>virus</u> is a human immunodeficiency virus.
- 5. (Original) The method of claim 2, wherein the enveloped virus is a *Herpes simplex* virus.
 - 6. (Original) The method of claim 1, wherein the pathogen is a microbial pathogen.

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7. (Original) The method of claim 6, wherein the microbial pathogen is a bacterium, a yeast, or a protozoan.

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- 8. (Original) The method of claim 6, wherein the microbial pathogen is a *Chlamydia spp.*, a *Trichomona spp.*, or a *Candida spp.*
- 9. (Previously presented) A method of reducing the risk of a subject becoming infected with a sexually transmitted pathogen, the method comprising contacting the pathogen or cells susceptible to infection by the pathogen in the subject with an effective amount of a pharmaceutical composition consisting essentially of a β -cyclodextrin, wherein said β -cyclodextrin reduces the risk of the subject becoming infected with the sexually transmitted pathogen.
 - 10. (Original) The method of claim 9, wherein the subject is a human.
- 11. (Original) The method of claim 9, wherein the cells susceptible to infection by the pathogen are epithelial cells.
- 12. (Original) The method of claim 11, wherein the epithelial cells are vaginal epithelial cells or rectal epithelial cells.
- 13. (Original) The method of claim 8, wherein the pharmaceutical composition is formulated in a solution, a gel, a foam, an ointment, a cream, a paste, or a spray.
- 14. (Original) The method of claim 9, wherein the pharmaceutical composition is formulated in a suppository, a film, a vaginal disk, or a condom.

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15. (Original) The method of claim 9, wherein the β -cyclodextrin is 2-hydroxypropyl- β -cyclodextrin.

Claims 16-18 (Canceled)

19. (Original) The method of claim 9, wherein the sexually transmitted pathogen is an enveloped virus or a microbial pathogen.

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- 20. (Original) The method of claim 19, wherein the enveloped virus is an immunodeficiency virus, a T lymphotrophic virus, a herpesvirus, a measles virus, or an influenza virus.
- 21. (Original) The method of claim 10, wherein the sexually transmitted pathogen is a human immunodeficiency virus (HIV) or a *Herpes simplex* virus.
- 22. (Original) The method of claim 19, wherein the microbial pathogen is a bacterium, a yeast, or a protozoan.
- 23. (Previously presented) A method of reducing the risk of transmission of a sexually transmitted disease by a subject infected with a sexually transmitted pathogen, the method comprising contacting the pathogen or cells susceptible to infection by the pathogen with an effective amount of a pharmaceutical composition consisting essentially of a β -cyclodextrin, wherein said β -cyclodextrin reduces the risk of transmission of the sexually transmitted disease by the subject.

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24. (Original) The method of claim 23, wherein the subject is a vertebrate.

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- 25. (Original) The method of claim 23, wherein the cells susceptible to infection comprise a secretion produced by the subject.
- 26. (Original) The method of claim 25, wherein the secretion is semen or a vaginal secretion.
- 27. (Original) The method of claim 23, wherein the cells susceptible to infection are epithelial cells.
- 28. (Original) The method of claim 23, wherein the pharmaceutical composition is formulated in a solution, a gel, a foam, an ointment, a cream, a paste, or a spray.
- 29. (Original) The method of claim 23, wherein the pharmaceutical composition is formulated in a suppository, a bioadhesive polymer, a vaginal disk, or a condom.
- 30. (Original) The method of claim 23, wherein the β-cyclodextrin is 2-hydroxypropyl-β-cyclodextrin.

Claims 31-32 (Canceled)

33. (Original) The method of claim 23, wherein the sexually transmitted pathogen is an enveloped virus or a microbial pathogen.

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34. (Original) The method of claim 33, wherein the enveloped virus is an

immunodeficiency virus, a T lymphotrophic virus, a herpesvirus, a measles virus, or an influenza

virus.

35. (Original) The method of claim 24, wherein the sexually transmitted pathogen is a

human immunodeficiency virus (HIV) or a Herpes simplex virus.

36. (Original) The method of claim 33, wherein the microbial pathogen is a bacterium, a

yeast, a mycoplasma, or a protozoan.

37. (Currently amended) A pharmaceutical composition consisting essentially of a

β-cyclodextrin, which reduces the risk of transmission of a sexually transmitted pathogen. and,

optionally, an agent selected from a contraceptive, an agent-for treating a sexually transmitted

disease, a lubricant, and a combination thereof.

Claims 38-39 (Canceled)

40. (Previously presented) A composition for reducing the risk of transmission of a

sexually transmitted disease, the composition consisting essentially of a β-cyclodextrin, a solid

substrate and, optionally, an agent selected from a contraceptive, an agent for treating a sexually

transmitted disease, a lubricant, and a combination thereof.

41. (Original) The composition of claim 40, wherein said the solid substrate comprises

an organic polymer.

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42. (Original) The composition of claim 41, which is a condom, a diaphragm, a vaginal disk, or a vaginal film.

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- 43. (Original) The composition of claim 41, which is a glove.
- 44. (Original) The composition of claim 40, wherein the solid substrate is an absorptive substrate.
 - 45. (Original) The composition of claim 44, which is a sponge or a tampon.
- 46. (Previously presented) The pharmaceutical composition of claim 37, which is formulated in a solution, a gel, a foam, an ointment, a cream, a paste, a lubricant, a jelly, or a spray.
- 47. (Previously presented) The pharmaceutical composition of claim 37, which is formulated in a suppository, a film, a sponge, a condom, a bioadhesive polymer, a diaphragm, a glove, a pellet, a tablet, or a tampon.
- 48. (Previously presented) The pharmaceutical composition of claim 37, wherein the β-cyclodextrin is in a concentration of 1 mM to 100 mM.
- 49. (Previously presented) The pharmaceutical composition of claim 37, wherein the β-cyclodextrin is in a concentration of 5 mM to 30 mM.
- 50. (Previously presented) The composition of claim 40, wherein the β -cyclodextrin is present in an amount of 0.1 grams to 2 grams.

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51. (Previously presented) The composition of claim 40, wherein the β -cyclodextrin is

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present in an amount of 0.25 grams to 0.75 grams.

52. (Currently amended) The method of claim 9, further comprising contacting the

pathogen or cells susceptible to infection with the pathogen with a composition consisting

essentially of a contraceptive, an antimicrobial agent, an antiviral agent, a lubricant, or a

combination thereof.

53. (Previously presented) The method of claim 52, wherein the contraceptive is a

spermicide.

54. (Previously presented) The method of claim 52, wherein the antimicrobial agent is

an antibiotic.

55. (Currently amended) The method of claim 23, further comprising contacting the

pathogen or cells susceptible to infection by the pathogen with a composition consisting

essentially of an antimicrobial agent, an antiviral agent, or a combination thereof.

56. (Currently amended) The method of claim 53 55, wherein the antimicrobial agent is

an antibiotic.

Claims 57-58 (Canceled)

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